

CLEAN FORM OF NEW CLAIMS

37 CFR 1.121 (c) (1) (i)

Cancel claims 1-9.

10. (New) An in-line skate wheel suspension product, the product comprising:

a tracking system comprising:

two side panels,

the side panels being connected to a skate boot;

the side panels extending downwards from the skate boot;

the side panels being spaced apart to enable positioning a skate wheel between the side panels;

a first rocker arm,

the first rocker arm being disposed between the side panels;

the first rocker arm having a first skate wheel rotatably connected to the first rocker arm at a first skate wheel connection;

a second rocker arm,

the second rocker arm being disposed between the side panels;

the second rocker arm having a second skate wheel rotatably connected to the second rocker arm at a second skate wheel connection;

a truncated pivoting axle,

the truncated pivoting axle pivotally connecting the first rocker arm and the second rocker arm to at least one of the tracking system side panels;

a spring,

the spring being positioned above the truncated pivoting axle;

the spring being positioned between the first rocker arm and the second rocker arm;

the spring contacting the first rocker arm and the second rocker arm and biasing the rocker arms so that the rocker arms counter-rotate about the truncated pivoting axle;

the spring contacting the first rocker arm at a position radially between the truncated pivoting axle and the first skate wheel connection; and

the spring contacting the second rocker arm at a position radially between the truncated pivoting axle and the second skate wheel connection.

11. (New) The in-line skate wheel suspension product of claim 10 wherein the truncated pivoting axle further comprises:
a cylinder and a bolt,
the cylinder and the bolt penetrating the rocker arms and at least one of the tracking system side panels to pivotally connect the rocker arms to the tracking system side panel.

12. (New) The in-line skate wheel suspension product of claim 10 wherein the spring is an adjustable spring.

13. (New) The in-line skate wheel suspension product of claim 10 wherein the tracking system further comprises:
a first stop being disposed between the side panels,
the first stop extending transverse to and between the side panels;
the first stop engaging the first rocker arm to limit the first rocker arm counter-rotation;

a second stop being disposed between the side panels,
the second stop extending transverse to and between the side panels; and
the second stop engaging the second rocker arm to limit the second rocker arm counter-rotation.

14. (New) The in-line skate wheel suspension product of claim 13 wherein the truncated pivoting axle further comprises:
a cylinder and a bolt,
the cylinder and the bolt penetrating the rocker arms and at least one of the tracking system side panels to pivotally connect the rocker arms to the tracking system side panel.

15. (New) The in-line skate wheel suspension product of claim 13 wherein the spring is an adjustable spring.

16. (New) The in-line skate wheel suspension product of claim 13 wherein the first rocker arm further comprises:
a first notch formed into the first rocker arm,
the first notch being positioned to engage the first stop and to limit the first rocker arm counter-rotating;

and wherein the second rocker arm further comprises:
a second notch formed into the second rocker arm,

the second notch being positioned to engage the second stop and to limit the second rocker arm counter-rotating.

17. (New) The in-line skate wheel suspension product of claim 13 wherein the first rocker arm further comprises:

- a first lip,
- the first lip being connected to the first rocker arm;
- the first lip extending outwardly from the first rocker arm distal the truncated pivoting axle;
- the first lip being positioned to engage the first stop and to limit the first rocker arm counter-rotating;

and wherein the second rocker arm further comprises:

- a second lip,
- the second lip being connected to the second rocker arm;
- the second lip extending outwardly from the second rocker arm distal the truncated pivoting axle; and
- the second lip being positioned to engage the second stop and to limit the second rocker arm counter-rotating.

18. (New) An in-line skate wheel suspension product, the product comprising:

a tracking system comprising:

- two side panels,
- the side panel being connected to a skate boot;
- the side panels extending downwards from the skate boot;
- the side panels being spaced apart to enable positioning a skate wheel between the side panels;

- a first rocker arm,
- the first rocker arm being disposed between the side panels;
- the first rocker arm having a first skate wheel rotatably connected to the first rocker arm at a first skate wheel connection;

- a second rocker arm,
- the second rocker arm being disposed between the side panels;
- the second rocker arm having a second skate wheel rotatably connected to the second rocker arm at a second skate wheel connection;

- a truncated pivoting axle,

the truncated pivoting axle comprising:

- a first truncated pivoting axle component,
the first truncated pivoting axle component for pivotally connecting the first rocker arm and the second rocker arm to at least one of the tracking system side panels;

- a second truncated pivoting axle component,
the second truncated pivoting axle component for pivotally connecting the first rocker arm and the second rocker arm to at least one of the tracking system side panels;

- the second truncated pivoting axle component being coaxially positioned with respect to the first truncated pivoting axle component;

- the second truncated pivoting axle component being spaced apart from the first truncated pivoting axle component to enable positioning the skate wheel between the first truncated pivoting axle component and the second truncated pivoting axle component;

a spring,

the spring being positioned above the truncated pivoting axle,

the spring being positioned between the first rocker arm and the second rocker arm;

the spring contacting the first rocker arm and the second rocker arm and biasing the rocker arms so that the rocker arms counter-rotate about the truncated pivoting axle;

the spring contacting the first rocker arm at a position radially between the truncated pivoting axle and the first skate wheel connection; and

the spring contacting the second rocker arm at a position radially between the truncated pivoting axle and the second skate wheel connection.

19. (New) The in-line skate wheel suspension product of claim 18 wherein the first truncated pivoting axle component further comprises:

- a first cylinder and a first bolt,

- the first cylinder and the first bolt penetrating the rocker arms and at least one of the tracking system side panels to pivotally connect the rocker arms to the tracking system side panel;

and wherein the second truncated pivoting axle component further comprises:

- a second cylinder and a second bolt,

- the second cylinder and the second bolt penetrating the rocker arms and at least one of the tracking system side panels to pivotally connect the rocker arms to the tracking system side panel.

20. (New) The in-line skate wheel suspension product of claim 18 wherein the spring is an adjustable spring.

21. (New) An in-line skate wheel suspension product, the product comprising:

a tracking system comprising:

- a fore plate for connecting to a skate boot;
- an aft plate for connecting to a skate boot;

- two side panels,

- each side panel being connected to the fore plate and to the aft plate;
- each side panel extending downwards from the fore plate and from the aft plate;

- the side panels being spaced apart to enable positioning a skate wheel between the side panels;

a first rocker arm,

the first rocker arm being disposed between the side panels;

the first rocker arm having a first skate wheel rotatably connected to the first rocker arm at a first skate wheel connection;

the first rocker arm comprising:

- a first stop being disposed between the side panels,

- the first stop extending transverse to and between the side panels;

- the first stop engaging the first rocker arm to limit the first rocker arm counter-rotation;

a second rocker arm,

the second rocker arm being disposed between the side panels;

the second rocker arm having a second skate wheel rotatably connected to the second rocker arm at a second skate wheel connection;

the second rocker arm comprising:

- a second stop being disposed between the side panels,

- the second stop extending transverse to and between the side panels; and

- the second stop engaging the second rocker arm to limit the second rocker arm counter-rotation;

a truncated pivoting axle,

the truncated pivoting axle comprising:

- a first truncated pivoting axle component,

the first truncated pivoting axle component for pivotally connecting the first rocker arm and the second rocker arm to the tracking system side panel;

a second truncated pivoting axle component,
the second truncated pivoting axle component for pivotally connecting the first rocker arm and the second rocker arm to the tracking system side panel;
the second truncated pivoting axle component being positioned coaxially with respect to the first truncated pivoting axle component;
the second truncated pivoting axle component being spaced apart from the first truncated pivoting axle component to enable positioning the skate wheel between the first truncated pivoting axle component and the second truncated pivoting axle component;

a spring,
the spring being positioned above the truncated pivoting axle,
the spring being positioned between the first rocker arm and the second rocker arm;
the spring contacting the first rocker arm and the second rocker arm and biasing the rocker arms so that the rocker arms counter-rotate about the truncated pivoting axle;
the spring contacting the first rocker arm at a position radially between the truncated pivoting axle and the first skate wheel connection; and
the spring contacting the second rocker arm at a position radially between the truncated pivoting axle and the second skate wheel connection.

22. (New) The in-line skate wheel suspension product of claim 21 wherein the truncated pivoting axle further comprises:
a cylinder and a bolt,
the cylinder and the bolt penetrating the rocker arms and the tracking system side panel to pivotally connect the rocker arms to the tracking system side panel.

23. (New) The in-line skate wheel suspension product of claim 21 wherein the spring is an adjustable spring.

24. (New) The in-line skate wheel suspension product of claim 21 wherein the first rocker arm further comprises:
a first notch formed into the first rocker arm,

the first notch being positioned to engage the first stop and to limit the first rocker arm counter-rotating;

and wherein the second rocker arm further comprises:

a second notch formed into the second rocker arm,
the second notch being positioned to engage the second stop and to limit the second rocker arm counter-rotating.

25. (New) The in-line skate wheel suspension product of claim 21 wherein the first rocker arm further comprises:

a first lip,
the first lip being connected to the first rocker arm;
the first lip extending outwardly from the first rocker arm distal the truncated pivoting axle; and
the first lip being positioned to engage the first stop and to limit the first rocker arm counter-rotating;

and wherein the second rocker arm further comprises:

a second lip,
the second lip being connected to the second rocker arm;
the second lip extending outwardly from the second rocker arm distal the truncated pivoting axle; and
the second lip being positioned to engage the second stop and to limit the second rocker arm counter-rotating.